

CLAIMS

WHAT IS CLAIMED IS:

1. A system for providing extended functionality for a HAVi compatible device, the HAVi compatible device being connectable to a HAVi network, the extended functionality defined by control data stored on a remote server external to the HAVi network, the remote server being connected to an external network, the external network comprising a network external to the HAVi network, comprising:

an external network connection device for providing data communications between the HAVi network and the remote server;

the external network connection device connectable to the external network;

the external network connection device for receiving the control data; and a control module for providing the extended functionality for the HAVi compatible device based on the control data.

2. The system of claim 1 wherein the control module comprises a functional control module.

3. The system of claim 2 wherein the control module further comprises a device control module.

4. The system of claim 3 wherein the device control module comprises a processor connected to the HAVi network, the processor having a memory module for storing the device control module; the processor further comprising the external network connection device.

1 6. The system of claim 1 wherein the HAVi compatible device comprises a legacy
2 device wherein the extended functionality is for causing the HAVi compatible
3 device to function as a contemporary device with respect to a user of the HAVi
4 network.

1 7. The system of claim 6 wherein the HAVi compatible device comprises a compact
2 disk player not having built in ability for presenting artist and song information for
3 a compact disk inserted into the compact disk player, and wherein the control data
4 is for presenting artist and song information for the compact disk to the user.

1 8. The system of claim 7 wherein the control data comprises artist and song
2 information matched to one or more identification codes read from the compact
3 disk such that the artist and song information may be presented to the user for
4 selection.

1 9. A system comprising a first usable device comprising one of a plurality usable
2 devices capable of being connected to a local network, each usable device being
3 capable of receiving commands from a user of the local network:

an external network connection device for providing data communications between the local network and a remote server connected to an external network, the external network connection device connectable to the external network, the external network connection device for receiving control data from the remote server, the control data defining extended functionality for a first of the one or more of the plurality of usable devices; and

10 a control module for providing the extended functionality for the first
11 usable device based on the control data.

1 10. The system of claim 9 wherein a second of the plurality of usable devices
2 comprises a processor having a device control module.

1 11. The system of claim 10 wherein the device control module comprises a first
2 functional control module, the device control module for presenting the extended
3 functionality to a user of the processor for controlling the first usable device,
4 thereby allowing the user to use the extended functionality.

1 12. The system of claim 10 wherein the extended functionality comprises a plurality
2 of extended functions for controlling the first usable device; two or more device
3 control modules each comprising a plurality of functional control modules, each
4 functional control module comprising a subset of the plurality of extended
5 functions, the plurality of usable devices comprising two or more processors, each
6 of the device control modules for presenting selectively to one of the two or more
7 processors, thereby allowing a user of each of the two or more processors to
8 control the first device based on the respective subset of extended functions of the
9 respective functional control modules of the device control module presented to
10 the respective processor.

1 13. A method for providing extended functionality for a HAVi compatible device, the
2 HAVi compatible device being connectable to a HAVi network, the extended
3 functionality defined by control data stored on a remote server external to the
4 HAVi network, the remote server being connected to an external network, the
5 external network comprising a network external to the HAVi network, the method
6 comprising the steps of:
7 providing data communications between the HAVi network and the remote
8 server;
9 receiving the control data from the remote server; and
10 providing the extended functionality for the HAVi compatible device
11 based on the control data.

1 14. The method of claim 13 comprising providing the user with the capability of
2 controlling the HAVi compatible device with the extended functionality.

1 15. The method of claim 13 wherein the HAVi compatible device comprises a legacy
2 device wherein the extended functionality is for causing the HAVi compatible
3 device to function as a contemporary device with respect to a user of the HAVi
4 network.

1 16. The method of claim 15 wherein the HAVi compatible device comprises a
2 compact disk player not having built in ability for presenting artist and song
3 information for a compact disk inserted into the compact disk player, and wherein
4 the control data is for presenting artist and song information for the compact disk
5 to the user.

1 17. The method of claim 16 comprising reading one or more identification codes from
2 the compact disk and matching the one or more identification codes with the
3 control data to present the artist and song information such that the artist and song
4 information may be presented to the user for selection based on the identification
5 code.

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